1260 MENU SUMMARY

Menu	Parameter	Settings
GENERATOR	TYPE	**[voltage]** • current
	FREQ	(+) **[Hz]** • kHz • MHz • µHz • mHz — 10µHz to 32MHz; default = 100Hz.
	V. AMPL	(+) **[V]** • mV — 0V to 3V ($f \leq 10$MHz); 0V to 1V ($f > 10$MHz).
	V. BIAS	(+) **[V]** • mV — −40.95V to +40.95V
[GENERATOR Cont.]	TYPE	**[voltage]** • current
	FREQ	(+) **[Hz]** • kHz • MHz • µHz • mHz — 10µHz to 32MHz; default = 100Hz.
	I. AMPL	(+) **[mA]** • µA — 0mA to 60mA ($f \leq 10$MHz); 0mA to 20mA ($f > 10$MHz).
	I. BIAS	(+) **[mA]** • µA — −100mA to +100mA
[MONITOR]	ENABLE	**[monitor off]** • monitor V1, target = V. AMPL • monitor I, target = I. AMPL
	V. LIMIT	(+) **[V]** • mV — 0V to 3V ($f \leq 10$MHz); 0V to 1V ($f > 10$MHz); default = 3V.
	I. LIMIT	(+) **[mA]** • µA — 0mA to 60mA ($f \leq 10$MHz); 0mA to 20mA ($f > 10$MHz); default = 60mA.
	ERROR%	(+) — 1% to 50%; default = 5%.
ANALYZER [ANALYSIS]	∫ TIME	(+) **secs** — 0.01 secs to 10^5 secs; default = 200ms.
	DELAY	(+) **secs** — 0 secs to 10^5 secs.
	AUTO ∫	**[off]** • long ∫ on V1 • short ∫ on V1 • long ∫ on V2 • short ∫ on V2 • long ∫ on I • short ∫ on I
	MODE	**[normal]** • group delay* • auto impedance
		*−ΔFREQ % (+) — 0% to 50%
		*+ΔFREQ % (+) — 0% to 50%
[INPUT V1]	RANGE	**[auto]** • 30mV • 300mV • 3V
	COUPLING	**[dc]** • ac
	INPUT	**[diff.]** • single
	OUTER	**[grounded]** • floati

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Menu	Parameter	Settings
ANALYZER Cont		
[INPUT V2]	RANGE	**[auto]** • 30mV • 300mV • 3V
	COUPLING	**[dc]** • ac
	INPUT	**[single]** • diff.
	OUTER	**[grounded]** • floating
[INPUT I]	RANGE	**[auto]** • 6μA • 60μA • 600μA • 6mA • 60mA
	COUPLING	**[dc]** • ac
SWEEP		
[SWEEP]	ENABLE	**[off]** • lin freq • log freq • amplitude • bias
	UP/DOWN	**[up]** • down
	ΔLOG	(+)**pts/swp**† †2 to 50×10^3 points; default = 200points
	ΔLIN	(+)**[pts/swp]**† • unit/st* *1×10^{-5} to 20×10^6 units/step
[SWEEP LIMITS]	FREQ	F MIN (+)**[Hz]** • kHz • MHz • μHz • mHz 10μHz to 32MHz; default = 100Hz.
		F MAX (+)**[Hz]** • kHz • MHz • μHz • mHz 10μHz to 32MHz; default = 1MHz.
	V. AMPL	V. MIN (+)**[V]** • mV 0V to 3V ($f \leq 10$MHz) 0V to 1V ($f > 10$MHz)
		V. MAX (+)**[V]** • mV 0V to 3V ($f \leq 10$MHz) 0V to 1V ($f > 10$MHz)
	V. BIAS	BIAS MIN (+)**[V]** • mV −40.95V to +40.95V
		BIAS MAX (+)**[V]** • mV −40.95V to +40.95V
	I. AMPL	I. MIN (+)**[mA]** • μA 0mA to 60mA ($f \leq 10$MHz) 0mA to 20mA ($f > 10$MHz)
		I. MAX (+)**[mA]** • μA 0mA to 60mA ($f \leq 10$MHz) 0mA to 20mA ($f > 10$MHz)
	I. BIAS	I. MIN (+)**[mA]** • μA −100mA to +100mA
		I. MAX (+)**[mA]** • μA −100mA to +100mA

Menu	Parameter	Settings
DISPLAY	VARIABLE	[freq] •ampl •bias
	RESULT	SOURCE [Z1=V1/I] Enter for COORDS: [L (or C),R] •L (or C),Q •L (or C),D •R,X •Z,θ •Y1=I/V1 Enter for COORDS: [L (or C),R] •L (or C),Q •L (or C),D •G,B •Y,θ •Z2=V2/I Enter for COORDS: [L (or C),R] •L (or C),Q •L (or C),D •R,X •Z,θ •Y2=I/V2 Enter for COORDS: [L (or C),R] •L (or C),Q •L (or C),D •G,B •Y,θ •FUNCTION ( ) Enter for COORDS: [r,θ] •r(dB),θ •r,t •r(dB),t •[L (or C),R] •L (or C),Q •L (or C),D •a,b •V1 •V2 •V1/V2 •V2/V1 Enter for COORDS: [r(dB),θ] •r,t •r(dB),t •a,b •r,θ •I Enter for COORDS: [r,θ] •a,b
	PHASE	[normal] •unwrapped
	CIRCUIT	[parallel C,R] •auto •series L,R •series C,R •parallel L,R
PLOTTER	MODE	[vector] •point
	TEXT	[on] •off
	GRID	[off] •on
	AXES	[on] •off
	DEVICE	[GPIB-HPGL] •GPIB-ESGL
[PLOTTER SCALING]	SIZE	[A4] •A3 •scaled
	X-MIN	(+) 0 to 32000 units: default=1404 units.
	Y-MIN	(+) 0 to 32000 units: default=1368 units.
	X-MAX	(+) 0 to 32000 units: default=8920 units.
	Y-MAX	(+) 0 to 32000 units: default=6984 units.
[PLOTTER TITLE]	OLD	
	NEW	

Menu	Parameter	Settings
PLOTTER AXES		
[PLOTTER X-AXIS]	ITEM	**[variable]** • par 1 • par 2
	LIMITS	**[auto]** • manual*
		*MINIMUM (+) -999×10^{15} to $+999\times10^{15}$
		*MAXIMUM (+) -999×10^{15} to $+999\times10^{15}$
	LIN/LOG	**[auto]** • linear • log
	PEN	( ) pen number: 1 to 9; default = pen 3.
[PLOTTER Y-AXIS MAIN]	ITEM	**[par 1]** • par 2 • variable
	LIMITS	**[auto]** • manual*
		*MINIMUM (+) -999×10^{15} to $+999\times10^{15}$
		*MAXIMUM (+) -999×10^{15} to $+999\times10^{15}$
	LIN/LOG	**[auto]** • linear • log
	PEN	( ) pen number: 1 to 9; default = pen 1.
[PLOTTER Y-AXIS OVERLAY]	ITEM	**[par 2]** • off • variable • par 1
	LIMITS	**[auto]** • manual* • same as main
		*MINIMUM (+) -999×10^{15} to $+999\times10^{15}$
		*MAXIMUM (+) -999×10^{15} to $+999\times10^{15}$
	LIN/LOG	**[auto]** • linear • log
	PEN	( ) pen number: 1 to 9; default = pen 2.
DATA OUTPUT		
[DATA OUTPUT]	RS-423	**[off]** • all • fail • pass • dump • dump all
	GPIB	**[off]** • all • fail • pass • dump • dump all • plotter
	FILE	**[all]** • fail • pass • off
	HEADING	**[on]** • off
[GPIB CONFIGURE]	TERM.	**[cr lf + EOI]** • cr • cr + EOI • cr lf
	SEP.	**[comma]** • terminator
[RS 423 CONFIGURE]	MODE	**[printer]** • controller
	ECHO	**[on]** • off
	TERM.	**[cr lf]** • cr lf + null • cr • cr + null
	SEP.	**[comma]** • terminator
	XOFF/XON	**[enable]** • disable

Menu	Parameter	Settings
DATA O/P Cont.		
[FILE CONFIGURE]	FORMAT	**[normal]** • group delay
	CLEAR	**[auto]** • manual
	STATS	**[par 1]** • par 2
SCALE/LIMITS		
[SCALING]	NORM.	**[off]** • on • evaluate
	NULL	**[off]** • on • evaluate
	CONSTS	CONSTANT NUMBER ( ) constant number 1 to 9
	FUNCT.	
	LEARN	LEARN FUNCTION ( ) function number 1 to 18
	CLEAR	CLEAR FUNCTION ( ) function number 1 to 18
	DEV Δ	**[off]** • Δ* • Δ%*
		*STORE = ( ) store number 1 to 9; default = store 1.
[LIMITS]	ITEM	**[off]** • par 1 • par 2
	LIMITS	LOWER LIMIT ( ) -999×10^{12} to 999×10^{12} UPPER LIMIT ( ) -999×10^{12} to 999×10^{12}
[BINSORT A]	ENABLE	**[off]** • continuous • fixed count* • random*
		*STEP SIZE ( ) step size 0 to 255
	ITEM	**[par 1†]** • par 2†
		†PARAMETER VALUE ( ) -999×10^{12} to 999×10^{12}
	BINS	NUMBER OF BINS ( ) 1 to 32; default = 1.
		BIN 01 MIN% ( ) default = +1% -999×10^{12} to 999×10^{12} BIN 01 MAX% ( ) default = –1% -999×10^{12} to 999×10^{12}
	STOP	**[off]** • on‡
		‡STOP AFTER ( ) number of measurements 0 to 999×10^{12}
[BINSORT B]	RETRY	NUMBER OF RETRIES ( ) number of retries 0 to 255; default = 0.
	LEVELS	[+5V] • +18V
	LOGIC	**[negative]** • positive

Menu	Parameter	Settings
VIEW FILE	DISPLAY	Display file location #1.
	BOF	Go to beginning of file.
	EOF	Go to end of file.
	NEXT	Go to next line (line $n+1$).
	PREV	Got to previous line (line n-1)
	LINE	Go to location n.
	LIST	Output each file location in succession.
	CLEAR	Erase file contents.
VERNIER		
[VERNIER]		Adjust generator output:
	FREQ	• frequency.
	AMPL	• amplitude.
	BIAS	• bias.
		Refer to GENERATOR menu for parameter ranges.
[VERNIER]		Adjust plotter scaling for:
	X-min	• minimum value of X coordinate.
	Y-min	• minimum value of Y coordinate.
	X-max	• maximum value of X coordinate.
	Y-max	• maximum value of Y coordinate.
		Refer to [PLOTTER SCALING] menu for parameter ranges.
STATUS		Display status of:
[STATUS 1]	PROGRAM	• learn program memory (three pages).
	µP	• microprocessor (two pages).
	INT.FACE	• GPIB and RS423 data ports (three pages).
	STORE.	• control/result store (two pages).
	FILE	• history file (two pages).
		Display status of:
[STATUS 2]	FUNCTION	• scaling functions (twenty pages).
	CONST	• scaling constants (ten pages).
	RESULTS	• stored results (ten pages).
	STATS.	• history file statistics (two pages).

Menu	Parameter	Settings
STORE/RECALL		
[SET UP]	STORE	( )* Store control set-ups in location *n*.
	RECALL	( )* Recall control set-ups in location *n*.
	CLEAR	( )* Delete control set-ups in location *n*.
		*location no: 1 to 9, volatile mem; 10 to 16, non-vol. mem.
[RESULT]	STORE	( )* Store measurement result in location *n*.
		*location no: 1 to 9
LEARN PROGRAM	LEARN	( )* Store commands as program *n*.
	QUIT	• quit the learn function.
	EDIT:	( )* Enable edit of program *n*, using the commands:
	INSERT	• insert instruction,
	EDIT	(return to edit level)
	DELETE	• delete instruction,
	NEXT	• go to next instruction,
	PREV	• go to previous instruction,
	QUIT	• quit the edit function.
	CLEAR	( )† Erase program *n*.
	COPY	( )† copyprogram *n* to ( )†.
		*program no: 1 to 9, volatile mem. †program no: 1 to 9, volatile mem; 10 to 18, non-vol. mem.
SELF TEST	TEST	Test the operation of the measurement hardware, the microprocessor, the keyboard, and the display.
	INIT	Set the control parameters to the default state and clear the history file, the result/control stores, and the learn program memory.
	RESET	Reset the control parameters to the default state.
	TIME	Set up the internal clock.
	ERROR–	[on] •off error "beep"

Remote Commands

Note: In the remote commands listed below
- *I*=integer,
- *F*=floating point number.

#B	edit program: go to previous line
#C *I*	clear program
#D	edit program: delete
#E *I*	edit program
#F	edit program:go to next line
#I	edit program: insert
#K *I,I*	copy program
#L *I*	learn program
#P *I*	list program
#Q	quit program
*CLS	clear status
*ESE	event status enable
*ESE?	event status enable query
*ESR?	event status register query
*IDN?	identification query
*OPC	operation complete
*RCL	recall
*RST	reset
*SAV	save
*SRE	service request enable
*SRE?	service request enable query
*STB?	read status byte query
*TST?	self-test query
AA *I*	plotter scaling: size
AE *F*	monitor error%
AI?	auto-integration time query
AR1?	autorange query, voltage 1 input
AR2?	autorange query, voltage 2 input
AR3?	autorange query, current input
AU *I*	analyzer auto-integration
BC *I*	binsort A: step size
BF *F*	number of comps (*n*) to be sorted
BG *I*	binsort B: logic sense
BI *I*	binsort A: item
BK	break
BL *I,F*	binsort A: bin min.%
BM *F*	sweep limits: V bias min.
BN *I*	binsort A: enable
BP *I*	error beep
BR *I*	binsort B: no. of retries
BS *I*	binsort A: stop after n meas.
BU *I,F*	binsort A: bin max.%
BV *I*	binsort B: logic levels
BX *F*	sweep limits: V bias max.
BZ *I*	binsort A: bin number
CA *F*	ideal calibration value
CC *I*	display: circuit
CE	clear error codes
CF *I*	clear function
CI *I*	display: current coordinates
CL	clear error message
CM *I*	calibration mode
CO *I,I,F,F*	scaling constant
CP	pause/continue (program)
CV *I*	display: voltage coordinates
CS *I*	clear set-up
CY *I*	display: admittance coordinates
CZ I	display: impedance coordinates
DC1,*I*	input V1 coupling
DC2,*I*	input V2 coupling
DC3,*I*	input I coupling
DE *I*	scaling: dev Δ
DO	output last result
DS *I*	scaling: dev Δ store
DV?	standard deviation query
EC *I*	output echo (RS423)
EP *I*	execute program
ER?	last error query
FC	clear file
FD	display file
FG *I*	file format
FL *I*	output file line
FM *F*	sweep limits: frequency min.
FO	output file
FP *I*?	file query: blocks filed/pointer
FR *F*	generator frequency
FU *I, text*	scaling function
FV *I*	display: function coordinates
FX *F*	sweep limits: frequency max.
GD *I*	plotter grid
GN *F*	group delay, negative
GP *F*	group delay, positive
GT *I*	generator type
HF *F*	linear sweep: units/step
HS	sweep hold
IA *F*	generator current amplitude
IB *F*	generator current bias
IC *F*	monitor current limit
IM *F*	sweep limits: I amplitude min.
IX *F*	sweep limits: I amplitude max.
IP1,*I*	input V1 single/diff.
IP2,*I*	input V2 single/diff.
IS *F*	analyzer integration time
JP *I*	jump to program line no.
LF *F*	linear sweep: points/sweep

LI *I*	limits check item
LL	local
LV0,*F*	limits check: lower limit
LV1,*F*	limits check: upper limit
MA?	statistics query: maximum
MC *I*	file clear: auto/manual
MD *I*	analyzer mode
ME *I*	analyser monitor
MI?	statistics query: minimum
MS *F*	analyzer delay
MU?	statistics query: mean
NA?	file query: readings accepted
NL *I*	null
NO *I*	normalize
NR?	file query: readings taken
OI *I*	plotter Y-axis overlay item
OL *I*	plotter Y-axis o'lay limits: auto/man.
OM0,*F*	plotter Y-axis overlay limits: min.
OM1,*F*	plotter Y-axis overlay limits: max.
OP1,*I*	data output (RS423)
OP2,*I*	data output (GPIB)
OP3,*I*	data output (file)
OS *I*	command separator (GPIB)
OT *I*	command terminator (GPIB)
OU1,*I*	input V1: grounded/floating
OU2,*I*	input V2: grounded/floating
OZ *I*	plotter Y-axis overlay log/lin
PA *I*	plotter axes
PC?	place of last calibration
PC *text*	calibration place
PD *I*	plotter device
PG0	go to next status page
PG1	go to previous status page
PL	plot (from file)
PN *I?*	program query (length)
PP *I*	parallel poll configure (GPIB)
PS *I*	parallel poll sense (GPIB)
PT *I*	plotter text enable
QM F	sweep limits: I bias, min.
QX F	sweep limits: I bias, max.
RA1,*I*	input V1 range
RA2,*I*	input V2 range
RA3,I	input I range
RE	recycle measurements
RH *I*	data output: heading
RM	remote
RP *I*	command separator (RS423)
RR *I*	output mode (RS423)
RS *I*	recall set-up
RT *I*	command terminator (RS423)
SD *I*	sweep up/down
SF *F*	log sweep: points/sweep
SI	single measurement
SM0	go to next mini-status page
SM1	go to previous mini-status page
SO*I,I*	display: source
SP *F*	step vernier
SR *I*	store result
SS *I*	store set-up
ST0	program status
ST1	microprocessor status
ST2	interface status
ST3	store status
ST4	file status
ST5	scaling function status
ST6	scaling constant status
ST7	results status
ST8	statistics status
SW *I*	sweep enable
SX *I*	staticised result
TI *text*	plotter title
TM *I,I*	set time
TS?	test results query
TT0	self test
TT1	initialize
TT2	reset
UW*I*	display: phase normal/unwrapped
VA *F*	generator voltage amplitude
VB *F*	generator voltage bias
VC *F*	monitor voltage limit
VE *I*	plotter mode
VF *F*	parameter 1 value, binsort
VL *F*	parameter 2 value, binsort
VI *I*	display: variable
VM *F*	sweep limits: V amplitude min.
VN?	version number
VP *I*	plotter Y-axis overlay pen
VR0	frequency vernier
VR1	amplitude vernier
VR2	bias vernier
VR3	plotter X-min. vernier
VR4	plotter Y-min. vernier
VR5	plotter X-max. vernier
VR6	plotter Y-max. vernier
VS?	statistics query: variance
VX *F*	sweep limits: V amplitude max.
WF *I*	calibration waveform
WK *I*	calibration week
WK?	week of last calibration
XB *F*	plotter scaled size: X-min.
XI *I*	plotter X-axis item
XL *I*	plotter X-axis limits: auto/manual
XM0,*F*	plotter X-axis limits: min.
XM1,*F*	plotter X-axis limits: max.

XO *I*	XOFF/XON select (RS423)
XP *I*	plotter X-axis pen
XT *F*	plotter scaled size: X-max.
XZ *I*	plotter X-axis lin/log
YB *F*	plotter scaled size: Y-min.
YI *I*	plotter Y-axis item
YL *I*	plotter Y-axis limits: auto/man.
YM0,*F*	plotter Y-axis limits: min.
YM1,*F*	plotter Y-axis limits: max.
YP *I*	plotter Y-axis pen
YR *I*	calibration year
YR?	year of last calibration
YT *F*	plotter caled size: Y-max.
YZ *I*	plotter Y-axis log/lin

Error Message Summary

Error messages are accompanied by a *beep,* unless this is switched off from [DISPLAY] ERROR BEEP. A message is displayed only briefly but can be recalled using the STATUS menu (μP, first page, LAST ERROR) or the ER? remote command.

Error messages are classified according to the first digit of the message number. The meaning of each message is summarised below, under the class number and area of application.

GROUP 0 : COMMAND STRUCTURE

MESSAGE	*EXPLANATION*
01. UNKNOWN COMMAND	Command not included in instrument command set.
02. ARG MISMATCH	Command contained the wrong type, or wrong number, of arguments.
03. OUT OF RANGE	Argument value out of range.
04. FORMAT ERROR	Floating point format error.
05. ILLEGAL REQUEST	Illegal request for parameter value.
06. INVALID FUNCTION	Function syntax error.
07. NO. OUT OF RANGE	Integer out of range for store or constant in scaling function.
08. INVALID SYMBOL	Attempt made to enter an invalid symbol in scaling function.
09. AMPL ILL. FOR HF	Attempt made to enter an amplitude >1V (>20mA) at a frequency >10MHz.

GROUP 1 : LEARNT PROGRAM

MESSAGE	*EXPLANATION*
11. ILLEGAL EDIT	In EDIT mode a command other than #F, #B, #I, #D, or #Q has been given.
12. ILLEGAL COMMAND	Command cannot be learnt.
13. NO SUCH PROGRAM	Program does not exist, under program number specified.
14. NESTING ERROR	Invalid recursion or program "nesting" to more than five levels attempted.
15. PROGRAM RUNNING	Attempt made to learn, edit, clear or copy any program whilst a program is running.
16. PROG. CHKSUM ERR.	Program checksum error.
17. PROGRAM EXISTS	Attempt made to learn a program, using the number of an existing program.
18. PROG. CLEARED	Specified program has been cleared.
19. COPY COMPLETE	Specified program has been copied.

GROUP 2: COMBINED PARAMETERS

MESSAGE	*EXPLANATION*
20. SWEEP COMPLETE	A measurement sweep has been completed.
21. SWEEP NOT SET UP	Sweep limits or increment/decrement not entered, or maximum < minimum.
22 GEN OVERLOADED	Generator overloaded, due to excessive peak current demand, i.e. peak ac+dc >100mA.
23. NULL/NORMALIZED	Nulling or normalization complete.
24. ILL NULL SOURCE	Source for null must be V1/I, V2/I, I/V1, I/V2.
25. PLOTTER LIM. ERR.	X-MIN greater than X-MAX, or Y-MIN greater than Y-MAX, in [PLOTTER SCALING] menu. Or, invalid MINIMUM or MAXIMUM value entered for a log item in the [PLOTTER X-AXIS] or [PLOTTER Y-AXIS] menu.
27. GPIB/ PLOTTER ERR.	If results are to be plotted from the history file, the GPIB data output should be set to [off]. Or, if results are to be plotted as measurements are made, the GPIB data output should be set to [plotter].
28. NUL/NORMALIZE ON	You are not allowed to change the sweep parameters when *null* or *normalize* is selected.
29. RENULL/NORMALIZE	Present null/normalization data invalid, due to change in sweep parameter(s) or null/normalization not yet done.

GROUP 3: GENERATOR

MESSAGE	*EXPLANATION*
31. GENERATOR KILLED	Generator output *killed*. KILL signal applied to rear panel connector: inner shorted to outer, or inner held at TTL logic '0'.
32. GENERATOR O/LOAD	Generator overload.
34. GEN RESTART	Generator output reinstated. KILL signal removed from rear panel connector.

GROUP 4: LEARNT PROGRAM; HISTORY FILE; VERNIER

MESSAGE	*EXPLANATION*
40. FILE CLEARED	History file cleared.
41. LINE NO. ERROR	Line number specified in a *jump* instruction (JP*i*) was not found.
42. ILLEGAL JUMP	*Jump* has been commanded without *learn program* selected.
43. OUT OF RANGE	Vernier adjustment attempted outside parameter range, when parameter is already at maximum value.
44. FILE EMPTY	History file empty.

45. ILL FILE ACCESS	Illegal file access attempted, or plot attempted whilst measurement in progress. (Plot uses file contents.)
46. ILL FILE SIZE	Sweep too large for use with null or normalize.
47. FILE NOT EMPTY	History file not empty. Attempt made to alter the file format before clearing the file contents.
48. G. DELAY/FILE ERR.	Incompatible file format. The analyzer is operating in *group delay* MODE, whilst the history file FORMAT is set for normal measurements.
49. VERNIER N/A	Whilst recycled measurements are being made you are not allowed to adjust the plotter scaling with the vernier. Whilst a sweep is in progress you are not allowed to adjust either the plotter scaling or the generator parameters with the vernier.

GROUP 5: MISSING MODULES
These messages are returned if you attempt to use a hardware module that isn't fitted.

MESSAGE	*EXPLANATION*
50. NO SUCH ANALYZER	Analyzer not fitted.
52. NO GENERATOR	Generator not fitted.
53. NO HF GENERATOR	H F Generator not fitted.
54. NO ANALYZER CTRL	Analyzer control not fitted.
55. NO SYNTHESIZER	Synthesizer not fitted.
56. NO HF SYNTH.	H F Synthesizer not fitted.

GROUP 6: ILLEGAL INPUT/OUTPUT

MESSAGE	*EXPLANATION*
60. ILL I/O CHANGE	Input/output device changed during *learn* sequence.
61. DEV NOT ENABLED	Attempt made to change operating conditions from a non-enabled input/output device.
(62) WARNING:V1 NOT DIFF	Displayed if single-ended inputs are selected for the Voltage 1 input when an impedance measurement is made. Select differential inputs, otherwise the measurement will include the impedance of the current analyzer.
(63) WARNING:V2 NOT DIFF	Displayed if single-ended inputs are selected for the Voltage 2 input when an impedance measurement is made. Same comment as for error 62.
64. AUTO-CLEAR OFF	For NULL or NORMALIZE set CLEAR in FILE CONFIGURE to [auto].
65. INTERLOCK	Interlock signal negated during a binsort. Binsort suspended.

66. OPEN LOOP MODE	The component handler has asserted the SOS line before measurement completion. The handler is now in open loop mode. Measurements will continue in this mode, but are unlikely to be valid.
67. SORTING FINISHED	The specified number of components have been sorted.

GROUP 7: SYSTEM/CALIBRATION

MESSAGE	*EXPLANATION*
70. OUT OF MEMORY	No further memory is available for the operation attempted. ERROR 70 is also returned when an attempt is made to copy to non-volatile memory when this has insufficient room.
71. NV RAM CORRUPTED	Non-volatile memory not initialized, or contents invalid.
72. NOT SUPERVISOR	Rear panel keyswitch incorrectly set.
73. CAL DATA CLEARED	Calibration data cleared.
74. I/P UNREASONABLE	Input to channel being calibrated is outside calibration range.
75. CAL. DATA CORRUPT.	One copy of calibration data is corrupted.
76. RECALIBRATE	Both copies of calibration data are corrupted. Instrument should be recalibrated as described in the 1255/1260 Maintenance Manual.
77. ILL RANGE COMB.	Autorange not applicable. Range combination invalid in calibration mode. See Maintenance Manual.
78. ILL FREQUENCY	Illegal frequency. Calibration frequency incorrectly set.
79. ILL CAL. SOURCE	Illegal calibration source.

GROUP 8: MEASUREMENT VALIDITY

MESSAGE	*EXPLANATION*
81. INPUT OVERLOAD	Overload on displayed channel(s).
82. AUTO INT. FAILED	Auto-Integration terminated before valid result obtained.
83. O/L + A. INT FAIL	Combination of Errors 81 and 82.
84. MONITOR FAILED	Failure to reach the target value at the monitor input, within the defined error%.
85. O/L+MON. FAIL	Combination of Errors 81 and 84.
86. MON.+ A. INT FAIL	Combination of Errors 82 and 84.
87. OL, MON. +A/I FAIL	Combination of Errors 81, 82 and 84.
88. AUTO IMPED ERROR	When display CIRCUIT is set to [auto] the analyzer MODE must be set to [auto impedance].
89. G. DEL NOT SET UP	*Group delay* not set.

GROUP 9 : STORE/RECALL

MESSAGE	*EXPLANATION*
90. NO SUCH SET-UP	Attempt made to recall or clear an empty set-up store; or a checksum error has been detected on recalling a stored set-up.
91. SET-UP STORED	Control set-up stored.
92. SET-UP RECALLED	Control set-up recalled.
93. SET-UP CLEARED	Control set-up cleared.
94. SET-UP EXISTS	Set-up store in use. Before the store can be re-used it must be cleared.
95. RESULT STORED	Present result stored.
98. FUNCTION EXISTS	Attempt made to write a function under a number which is already in use.
99. NO SUCH FUNCTION	Attempt made to scale a measurement result by a non-existent function.

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SI1260
Impedance/Gain-Phase Analyzer

QUICK REFERENCE CARD

Menu Summary, Remote Commands & Error Message Summary

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